

**CHAPTER 7**

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**REFERENCES**



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## REFERENCES

- Abella, S.R. 2008.** A Systematic Review of Wild Burro Grazing Effects on Mojave Desert Vegetation, USA. Environmental Management DOI 10.1007/s00267-008-9105-7.
- AECOM. 2013.** Scoping Summary Report for the Vegetation Treatments Using Aminopyralid, Fluroxypyr, and Rimsulfuron on Bureau of Land Management Lands in 17 Western States Programmatic Environmental Impact Statement. Seattle, Washington.
- \_\_\_\_\_. **2014a.** Fluroxypyr Ecological Risk Assessment Final Report. Prepared for the USDO IBLM. Manchester, New Hampshire.
- \_\_\_\_\_. **2014b.** Rimsulfuron Ecological Risk Assessment Final Report. Prepared for the USDO IBLM. Manchester, New Hampshire.
- \_\_\_\_\_. **2014c.** Final Human Health Risk Assessment. Prepared for the USDO IBLM. Manchester, New Hampshire.
- \_\_\_\_\_. **2015.** Aminopyralid Ecological Risk Assessment Final Report. Prepared for the USDO IBLM. Manchester, New Hampshire.
- Agee, J.K. 1993.** Fire Ecology of Pacific Northwest Forests. Island Press. Washington, D.C.
- Allen, M.F. 1991.** Ecology of Mycorrhizae. Cambridge University Press. Cambridge, United Kingdom.
- American Cancer Society. 2012.** Lifetime Risk of Developing or Dying From Cancer. Available at: <http://www.cancer.org>.
- Asher, J.E., and S.A. Dewey. 2005.** Estimated Annual Rates of Weed Spread on Western Federal Wildlands. Draft White Paper. Federal Interagency Committee for Management of Noxious and Exotic Weeds (FICMNEW). Washington, D.C.
- Bailey, R.G. 1997.** Map: Ecoregions of North America (Revised; Scale: 1:15,000,000). U.S. Department of Agriculture Forest Service in Cooperation with the Nature Conservancy and the U.S. Geological Survey. Washington, D.C.
- \_\_\_\_\_. **2002.** Ecoregions. Pages 235-245 in The Physical Geography of North America (A.R. Orme, ed.). Oxford University Press. Oxford, England.
- Balch, J.K., B.A. Bradley, and J. Gomez-Dans. 2013.** Introduced Annual Grass Increases Fire Activity Across the Arid Western USA. *Global Change Biology* 19: 173-183.
- Barbash, J.E., G.P. Thelin, D.W. Kolpin, and R.J. Gilliom. 1999.** Distribution of Major Herbicides in Ground Water of the United States. Water-resources Investigations Report 98-4245.
- Barrett, S., D. Havlina, J. Jones, C. Frame, D. Hamilton, K. Schon, T. Demeo, L. Hutter, and J. Menakis. 2010.** Interagency Fire Regime Condition Class Guidebook. Version 3.0. The Interagency Fire Regime Condition Class Website. USDA Forest Service, U.S. Department of the Interior and The Nature Conservancy. Available at: <http://www.frcc.gov>.
- Battaglin, W.A., E.M. Thurman, S.J. Kalkhoff, and S.D. Porter. 2003.** Herbicides and Transformation Products in Surface Waters of the Midwestern United States. *Journal of the American Water Resources Association* 39:743-756.
- Beck, K.G. No date.** Downy Brome (*Bromus tectorum*) and Japanese Brome (*Bromus japonicas*) Biology and Management. Colorado State University Department of Bioagricultural Sciences and Pest Management. Fort Collins, Colorado.

## REFERENCES

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- Bell, J.L., M.R. Manucheri, H. Malone., and I.C. Burke. 2012.** Absorption and Translocation of Aminopyralid and Clopyralid in Rush Skeletonweed. *Proceedings – Western Society of Weed Science* 65.
- Belnap, J. 1994.** Potential Role of Cryptobiotic Soil Crust in Semiarid Rangelands. Pages 179-185 in *Proceedings—Ecology and Management of Annual Rangelands*. (S.B. Monsen and S.G. Kitchen, eds.). General Technical Report INT-GTR-313. U.S. Department of Agriculture Forest Service, Intermountain Research Station. Ogden, Utah.
- \_\_\_\_\_. **1995.** Surface Disturbances: Their Role in Accelerating Desertification. *Environmental Monitoring and Assessment* 37:39-57.
- \_\_\_\_\_, and **J.S. Gardner. 1993.** Soil Microstructure of the Colorado Plateau: The Role of the Cyanobacterium *Microcoleus vaginatus*. *Great Basin Naturalist* 53:40-47.
- \_\_\_\_\_, and **D.A. Gillette. 1998.** Vulnerability of Desert Soil Surfaces to Wind Erosion: Impacts of Soil Texture and Disturbance. *Journal of Arid Environments* 39:133-142.
- \_\_\_\_\_, **R. Rosentreter, S. Leonard, J.H. Kaltenecker, J. Williams, and D. Eldridge. 2001.** Biological Soil Crusts: Ecology and Management. U.S. Department of the Interior, Bureau of Land Management, National Science and Technology Center. Report Technical Reference 1730-2. Denver, Colorado.
- Bonneville Power Administration. 2000.** Transmission System Vegetation Management Program Final Environmental Impact Statement. Portland, Oregon.
- Bossard, C.C., J.M. Randal, and M.C. Hoshovsky (eds.). 2000.** Invasive Plants of California's Wildlands. University of California Press. Berkeley, California.
- Bovey, R.W. 2001.** Woody Plants and Woody Plant Management. Marcel Dekker, Inc. New York, New York.
- Brady, N.C., and R.R. Weil. 2002.** The Nature and Properties of Soils (13<sup>th</sup> Edition). Prentice-Hall, Inc. Upper Saddle River, New Jersey.
- Brown, J.K. 1995.** Fire Regimes and Their Relevance to Ecosystem Management. 1995. Pages 171 to 178 in *Proceedings of Society of American Foresters National Convention, September 18-22, 1994*. Washington, D.C.
- Brumhard, B., and Fuhr, J. 1992.** Lysimeter Studies of Pesticides in the Soil. *British Crop Protection Council Monograph* 53:103-114.
- California Department of Pesticide Regulation. 2005.** Public Report 2005-01. Fluroxypyr. Tracking ID 197141 N. Available at: <http://www.cdpr.ca.gov/docs/registration/ais/publicreports/5768.pdf>.
- California Environmental Protection Agency (CalEPA). 1996.** Memorandum from T. Formoli (California Environmental Protection Agency, Department of Pesticide Regulation, Worker Health and Safety Branch) to M. Mason (California Environmental Protection Agency, Department of Pesticide Regulation, Pesticide Regulation Branch). Sacramento, California.
- Carney, E.W., and B. Tornesi. 2004.** GF-871: Oral Gavage Developmental Toxicity Study in New Zealand White Rabbits. Laboratory Project Study ID 031142. Toxicology and Environmental Research and Consulting. The Dow Chemical Company. Midland, Michigan.
- Cederlund, H., E. Borjesson, E. Jonsson, and T. Thierfelder. 2012.** Degradation and Leaching of Fluroxypyr after Application to Railway Tracks. *Journal of Environmental Quality* 41:1884-1892.
- Centers for Disease Control and Prevention. 2011.** Deaths and Mortality in 2010. Available at: <http://www.cdc.gov/nchs/fastats/deaths.htm>.
- Clarke, S.E., and S.A. Bryce (eds.). 1997.** Hierarchical Subdivisions of the Columbia Plateau and Blue Mountains Ecoregions, Oregon and Washington. General Technical Report PNW-GTR-395. U.S. Department of Agriculture Forest Service, Pacific Northwest Research Station. Portland, Oregon.

- Clements, D.D., and D.N. Harmon. 2013.** Imazapic, Rimsulfuron, and Sulfometuron Methyl Effectiveness at Controlling Cheatgrass [abstract]. Soil and Water Conservation Society International Meeting, Reno, Nevada, July 21-24, 2013. Pages 68-79.
- \_\_\_\_\_, \_\_\_\_\_, and **R.R. Blank. 2012.** Cheatgrass Invasion and Wildlife Habitat [abstract]. Nevada Wildlife Commission. Reno, Nevada.
- Council on Environmental Quality (CEQ). 2014.** Revised Draft Guidance on the Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in NEPA Reviews. Available at: <https://www.whitehouse.gov/administration/eop/ceq/initiatives/nepa/ghg-guidance>.
- Cummings, D.C., and K. Duncan. 2009.** Control of Cholla and Prickly Pear with Picloram and Fluroxypyr. Abstract for Poster Session. Proceedings of the Western Society of Weed Science 62:7.
- Dexter, A.G. 1993.** Herbicide Spray Drift. North Dakota State University Extension Service Fact Sheet A-657 (revised). Available at: <http://www.ext.nodak.edu/extpubs/plantsci/weeds/a657w.htm>.
- DiTomaso, J.M. 2012.** Milestone (Aminopyralid) Applied Preemergence Can Control Medusahead. University of California Weed Science Blog. Available at: <http://ucanr.edu/blogs/blogcore/postdetail.cfm?postnum=7658>.
- \_\_\_\_\_, and **G.B. Kyser. 2006.** Evaluation of Imazapyr and Aminopyralid for Invasive Plant Management. Proceedings of the California Weed Science Society 58:107-109.
- \_\_\_\_\_, **G.B. Kyser, S.R. Oneto, R.G. Wilson, S.B. Orloff, L.W. Anderson, S.D. Wright, J.A. Roncoroni, T.L. Miller, T.S. Prather, C. Ransom, K.G. Beck, C. Duncan, K.A. Wilson, and J.J. Mann. 2013.** Weed Control in Natural Areas in the Western United States. University of California at Davis Weed Research and Information Center. Davis, California.
- Dow AgroSciences. 2005.** Aminopyralid Technical Bulletin. Available at: [http://msdssearch.dow.com/PublishedLiteratureDAS/dh\\_0052/0901b80380052fe6.pdf?filepath=usa\\_g/p](http://msdssearch.dow.com/PublishedLiteratureDAS/dh_0052/0901b80380052fe6.pdf?filepath=usa_g/p).
- \_\_\_\_\_. **2014.** Range and Pasture: Aminopyralid Stewardship. Available at: [http://www.dowagro.com/range/aminopyralid\\_stewardship.htm](http://www.dowagro.com/range/aminopyralid_stewardship.htm).
- Duncan, C.L., and J.K. Clark (eds.). 2005.** Invasive Plants of Range and Wildlands and Their Environmental, Economic, and Social Impacts. Weed Science Society of America. Lawrence, Kansas.
- EcoWest. 2014.** National Wildfire Trends. Summarized Based on Data from the National Interagency Fire Center. Available at: <http://www.ecowest.org/fires/trends/>.
- Eldridge, D.J., and R.S.B. Greene. 1994.** Microbiotic Soil Crusts: A Review of Their Roles in Soil and Ecological Processes in the Rangelands of Australia. Australian Journal of Soil Research 32: 389-415.
- Emmerich, F.L., F.H. Tipton, and J.A. Young. 1993.** Cheatgrass: Changing Perspectives and Management Strategies. Rangelands 15(1):37-40.
- Enloe, S.F., R.G. Lym, R. Wilson, P. Westra, S. Nissen, G. Beck, M. Moechnig, V. Peterson, R.A. Masters, and M. Halstvedt. 2007.** Canada Thistle (*Cirsium arvense*) Control with Aminopyralid in Range, Pasture, and Non-Crop Areas. Weed Technology. 2007. 21:890-894.
- \_\_\_\_\_, **G.B. Kyser, S.A. Dewey, V. Peterson, and J.M. DiTomaso. 2008.** Russian Knapweed (*Acroptilon repens*) Control with Low Rates of Aminopyralid on Range and Pasture. Invasive Plant Science and Management 1(4):385-389.
- ENSR. 2004.** Vegetation Treatments Programmatic EIS Ecological Risk Assessment Protocol. Prepared for the U.S. Department of the Interior Bureau of Land Management, Nevada State Office, Reno, Nevada. Westford, Massachusetts.

## REFERENCES

---

- \_\_\_\_\_. **2005.** Annual Emissions Inventory for BLM Treatment Methods. Prepared for the U.S. Department of the Interior Bureau of Land Management, Nevada State Office, Reno, Nevada. Westford, Massachusetts.
- Evans, R.D., and J.R. Ehleringer. 1993.** A Break in the Nitrogen Cycle in Aridlands? Evidence from <sup>15</sup>N isotope of Soils. *Oecologia* 94:314-317.
- Executive Office of the President. 2013.** The President's Climate Action Plan. Washington, D.C.
- Fairbrother, A., and L.A. Kaputka. 1996.** Toxicity Extrapolations in Terrestrial Systems. Ecological Planning and Toxicology, Inc. Corvallis, Oregon.
- Fast, B.J. 2010.** Aminopyralid Fate in Plant Tissues and Soil. Ph.D. Dissertation. University of Florida. Gainesville, Florida.
- Federal Geographic Data Committee. 1997.** Vegetation Classification Standard. Vegetation Subcommittee. Reston, Virginia.
- \_\_\_\_\_. **2008.** National Vegetation Classification Standard, Version 2. FGDC-STD-005-2008 (Version 2). Reston, Virginia. Available at: [http://www.fgdc.gov/standards/projects/FGDC-standards-projects/vegetation/NVCS\\_V2\\_FINAL\\_2008-02.pdf](http://www.fgdc.gov/standards/projects/FGDC-standards-projects/vegetation/NVCS_V2_FINAL_2008-02.pdf).
- Fletcher, J.S., J.E. Nellessen, and T.G. Pflieger. 1994.** Literature Review and Evaluation of the EPA Food-chain (Kenaga) Nomogram, an Instrument for Estimating Pesticide Residue on Plants. *Environmental Toxicology and Chemistry* 13(9):1383-1391.
- Gay, D.L., D.M. Engle, E.R. Allen, and J.F. Stritzke. 1997.** Nitrogen and Biomass Dynamics Following Brush Control in the Cross Timbers. *Journal of Range Management* 50:55-61.
- Gebhardt, K., S. Leonard, G. Staidl, and D. Prichard. 1990.** Riparian Area Management: Riparian and Wetland Classification and Review. USDOI BLM /YA/PT-91/002+1737. Denver, Colorado.
- Germano, D.J. 1978.** Response of Selected Wildlife to Mesquite Removal in Desert Grassland. M.S. Thesis. University of Arizona. Tucson, Arizona.
- \_\_\_\_\_, **G.B. Rathbun, and L.R. Saslaw. 2001.** Managing Exotic Grasses and Conserving Declining Species. *Wildlife Society Bulletin* 29(2): 551-559.
- Green, P., V.F. Peterson, C. Crabtree, T. Prather, and J. Wallace. 2011.** Effects of Aminopyralid on Native Forbs and Grasses. Proceedings of the Western Society of Weed Science. Volume 64, Papers Presented at the Annual Meeting, March 7-10, 2011. Spokane, Washington.
- Griffith, S.M. 2004.** Restoring California's Native Grass. Rangeland, Pasture, and Forages, an ARS National Program (#205). Available at: <http://www.ars.usda.gov/is/ar/archive/may04/grass0504.pdf>.
- Groot, C., and L. Margolis. 1991.** Pacific Salmon Life Histories. UBC Press, Vancouver, British Columbia, Canada.
- Gruell, G.E. 1983.** Fire and Vegetative Trends in the Northern Rockies: Interpretations from 1871-1982 Photographs. General Technical Report INT-158. U.S. Department of Agriculture Forest Service Intermountain Research Station. Ogden, Utah.
- Halstvedt, M.B., V.F. Peterson, K.G. Beck, M.J. Moechnig, and P.M. Rice. 2011.** The Effect of Application Timing on Forb Tolerance to Aminopyralid. Proceedings of the Western Society of Weed Science. Volume 64, Papers Presented at the Annual Meeting, March 7-10, 2011. Spokane, Washington.
- Harper, B.L., B. Flett, S. Harris, C. Abeyta, and F. Kirschner. 2002.** The Spokane Tribe's Multipathway Subsistence Exposure Scenario and Screening Level RME. *Risk Analysis* 22(3):513-526.
- Harper K., and J. Belnap. 2001.** The Influence of Biological Soil Crusts on Mineral Uptake by Associated Vascular Plants. *Journal of Arid Environments* 47(3):347-357.

- Harrington T.B., D.H. Peter, and W. Devine. 2011.** The Effects of Aminopyralid on a Meadow Community Invaded by Canada Thistle in the Washington Cascades. Proceedings of the Western Society of Weed Science. Volume 64, Papers Presented at the Annual Meeting, March 7-10, 2011. Spokane, Washington.
- Harris, S.G., and B.L. Harper. 1997.** A Native American Exposure Scenario. Risk Analysis 17(6):789-795.
- Health Canada. 2012.** Proposed Registration Decision PRD 2012-18, Fluroxypyr. Available at: [http://www.hc-sc.gc.ca/cps-spc/pest/part/consultations/\\_prd2012-18/prd2012-18-eng.php](http://www.hc-sc.gc.ca/cps-spc/pest/part/consultations/_prd2012-18/prd2012-18-eng.php).
- Hein, L. 2002.** Checklist for the Potential Costs of Land Degradation and the Benefits of Mitigation Measures. Prepared for The International Centre for Environmental Assessment Foundation for Sustainable Development and The International Centre for Integrative Studies. Medaction Work Package 1.3 Deliverable 12. Maastricht, Netherlands.
- Hergert, H.J., B.A. Meador, A.R. Kniss, and R.D. Meador. 2012.** Effects of Preemergence Application of Rimsulfuron, Imazapic, and Aminocyclopyrachlor on Downy Brome. Poster Abstract – Western Society of Weed Science Annual Meeting 2012. Reno, Nevada.
- Hirsch, M.C., T.A. Monaco, C.A. Call, and C.V. Ransom. 2012.** Comparison of Herbicides for Reducing Annual Grass Emergence in Two Great Basin Soils. Rangeland Ecology and Management 65(1):66-75.
- Hofman, V., and E. Solseng. 2001.** Reducing Spray Drift. North Dakota State University Extension Service, Agricultural and Biosystems Engineering. Fargo, North Dakota.
- Ingham, E.R., No Date.** Soil Food Web. USDA Natural Resources Conservation Service. Available at: [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/full/soils/health/biology/?cid=nrcs142p2\\_053868](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/full/soils/health/biology/?cid=nrcs142p2_053868).
- Iowa State University. 2006.** Aminopyralid – New Herbicide for Pastures, Roadsides, Etc. Available at: <http://www.weeds.iastate.edu/mgmt/2006/aminopyralid.shtml>.
- Jensen, M., I. Goodman, K. Brewer, T. Frost, G. Ford, and J. Nesser. 1997.** Biophysical Environments of the Basin. Pages 99-320 in An Assessment of Ecosystem Components in the Interior Columbia Basin and Portions of the Klamath and Great Basins (T.M. Quigley and S.J. Arbelbide, tech. eds.). General Technical Report PNW-GTR-405. U.S. Department of Agriculture Forest Service, Pacific Northwest Research Station. Portland, Oregon.
- Johnson, D.D., and K.W. Davies. 2012.** Medusahead Management in Sagebrush-Steppe Rangelands: Prevention, Control, and Revegetation. Rangelands 34(1):32-38.
- Kansas State University. 1991.** Rangeland Weed Management. Available at: <http://www.ksre.ksu.edu/bookstore/pubs/mf1020.pdf>.
- Kelsey, R.G., and D.J. Bedunah. 1989.** Ecological Significance of Allelopathy for *Centaurea* Species in the Northwestern United States. Knapweed Symposium Proceedings, Land and Soil Science Department and Extension Service. Montana State University Bulletin 45:10-31.
- Lacey, J.R., C.B. Marlow, and J.R. Lane. 1989.** Influence of Spotted Knapweed (*Centaurea maculosa*) on Surface Runoff and Sediment Yield. Weed Technology 3:627-631.
- Landfire. 2010.** Vegetation Condition Class, Coterminous United States. Raster Digital Data Prepared for USDA Forest Service Contract #AG-0024B-C-10-022. Missoula, Montana.
- \_\_\_\_\_. 2011. Vegetation Condition Class, Alaska. Raster Digital Data Prepared for USDA Forest Service Contract #AG-0024B-C-022. Missoula, Montana.

## REFERENCES

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- LaPrade, J.C. 1992.** Fate of Pesticides in Soil and Water. Alabama Cooperative Extension System, Community Resource Development, Auburn University Document Number ANR-737. Auburn, Alabama. Available at: <http://www.aces.edu/pubs/docs/A/ANR-0737>.
- Lee, R. 2013.** BLM Integrated Pest Management Specialist, USDO I BLM National Operations Center, Denver, Colorado. Electronic Mail Communication with K. Anderson, AECOM, Seattle, Washington, Regarding Herbicide Summary Table 2-2, March 5, 2013.
- Lehmann, R.G. 1991.** Environmental Fate of a Herbicide: An Industrialists Perspective. *Journal of Agronomy Education* 20:96-101.
- \_\_\_\_\_, **J.R. Miller, E.L. Olberding, P.M. Tillotson, and D.A. Laskowski. 1990.** Fate of Fluroxypyr in Soil: I. Degradation Under Laboratory and Greenhouse Conditions. *Weed Research* 30:375-382.
- Lindenmeyer, B. 2012.** Understanding Aminocyclopyrachlor Behavior in Soil and Plants. Ph.D. Dissertation. Colorado State University. Fort Collins, Colorado.
- McCormick, D.P. 1975.** Effect of Mesquite Control on Small Game Populations. M.S. Thesis, University of Arizona. Tucson, Arizona.
- Metzger, L.O.Y., C. Munier-Lamy, T. Choné, F. Andreux, M.J. Belgy, J.M.F. Martins, and A. Mermoud. 1998.** Fate of the Sulfonylurea Herbicide Rimsulfuron in Soil: Mobility and Interactions with Soil Constituents (Poster). Proceedings of the 16<sup>th</sup> World Congress of Soil Science.
- Mikkelsen, J.R., and R.G. Lym. 2013.** Effect of Aminopyralid on Desirable Forb Species. *Invasive Plant Science and Management* 6(1):30-35.
- Miller, R.F., S.T. Knick, D.A. Pyke, C.W. Meinke, S.E. Hanser, M.J. Wisdom, and A.L. Hild. 2011.** Characteristics of Sagebrush Habitats and Limitations to Long-term Conservation. Pages 145-184 in S.T. and J.W. Connelly (eds.). *Greater Sage-Grouse: Ecology and Conservation of a Landscape Species and Its Habitats*. University of California Press. Berkeley, California.
- Mitsch, W.J., and J.G. Gosselink. 2000.** *Wetlands* (Third Edition). John Wiley and Sons, Inc. New York, New York.
- Montana Department of Environmental Quality. 2007.** State of Montana Modeling Guideline for Air Quality Permit Applications. Available at: [http://deq.mt.gov/AirQuality/docs/MontanaModelingGuidelineForAirQualityPermits\(3\).pdf](http://deq.mt.gov/AirQuality/docs/MontanaModelingGuidelineForAirQualityPermits(3).pdf).
- Montana State University Extension. 2011.** Preventing and Managing Herbicide-Resistant Weeds in Montana. Bozeman, Montana.
- National Academy of Sciences. 1983.** Risk Assessment in the Federal Government: Managing the Process. National Academy Press. Washington, D.C.
- National Groundwater Association. 2010.** Groundwater Facts. Available at: <http://www.ngwa.org/Fundamentals/use/Pages/Groundwater-facts.aspx>.
- National Institute of Occupational Safety and Health. 2012.** Traumatic Occupational Injuries. Available at: <http://www.cdc.gov/niosh/injury/>.
- National Interagency Fire Center. 2014.** Wildland Fire Fatalities by Year. Available at: [https://www.nifc.gov/safety/safety\\_documents/Fatalities-by-Year.pdf](https://www.nifc.gov/safety/safety_documents/Fatalities-by-Year.pdf).
- National Interagency Fuels Technology Transfer. 2010.** Interagency Fire Regime Condition Class (FRCC) Guidebook. Version 3.0. USDA Forest Service Rocky Mountain Research Station. Fort Collins, Colorado.
- National Library of Medicine. 2011.** Fluroxypyr. Toxicology Data Network HSDB Database. Available at: <http://toxnet.nlm.nih.gov/cgi-bin/sis/search/a?dbs+hsdb:@term+@DOCNO+6655>.
- National Park Service. 2007.** Class I Area Boundaries Digital Data. Air Resources Division. Denver, Colorado.

- Neary, D.G., L.F. DeBano, and K.C. Ryan (eds.). 2005.** (revised 2008). *Wildland Fire in Ecosystems: Effects of Fire on Soils and Water*. General Technical Report RMRS-GTR-42-Vol.4. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Ogden, Utah.
- New York State Department of Environmental Conservation (NYSDEC). 1997.** Registration of a New Active Ingredient-Rimsulfuron Contained in the Pesticide Products Matrix Herbicide (EPA Reg. No. 352-556), Basis Herbicide (EPA Reg. No. 352-571, and Basis Gold Herbicide (EPA Reg. No 352-585). Letter to Donna M. Factor, E.I. DuPont De Nemours Dated August 15, 1997. Albany, New York.
- \_\_\_\_\_. **2006.** Registration of Vista and Spotlight Herbicide (EPA Reg. No. 62719-308) Which Contain the New Active Ingredient: Fluroxypyr (Chemical Code: 128968). Letter to Jim Baxter, Dow AgroSciences, LLC Dated May 2, 2006. Albany, New York.
- \_\_\_\_\_. **2009.** Registration of a Major Change in Labeling for DuPont Matrix FNV Herbicide (EPA Reg. No. 352-671) Containing the Active Ingredient Rimsulfuron (Active Ingredient Code 129009). Letter to Tim McPherson, DuPont Crop Protection Dated May 15, 2009. Albany, New York.
- Norton, J.B., T.A. Monaco, J.M. Norton, D.A. Johnson, and T.A. Jones. 2004.** Cheatgrass Invasion Alters Soil Morphology and Organic Matter Dynamics in Big Sagebrush-Steppe Rangelands. *In* Seed and Soil Dynamics in Shrubland Ecosystems: Proceedings, August 12-16, 2002 (A.L. Hild, N.L. Shaw, S.E. Meyer, D.T. Booth, and E.D. McArthur, eds.). U.S. Department of Agriculture Forest Service, Rocky Mountain Research Station. Laramie, Wyoming.
- Olson, B.E. 1999a.** Grazing and Weeds. Pages 85-97 *in* Biology and Management of Noxious Rangeland Weeds (R.L. Sheley and J.K. Petroff, eds.). Oregon State University Press. Corvallis, Oregon.
- \_\_\_\_\_. **1999b.** Impacts of Noxious Weeds on Ecologic and Economic Systems. Pages 4-18 *in* Biology and Management of Noxious Rangeland Weeds (R.L. Sheley and J.K. Petroff, eds.). Oregon State University Press. Corvallis, Oregon.
- \_\_\_\_\_, and **R.T. Wallander. 1997.** Biomass and Carbohydrates of Spotted Knapweed and Idaho Fescue After Repeated Grazing. *Journal of Range Management* 50:409-412.
- Oregon Department of Agriculture. 2013.** Medusahead Rye (*Taeniatherum caput-medusae*). ODA Plant Programs, Noxious Weed Control. Available at: [http://www.oregon.gov/ODA/PLANT/WEEDS/Pages/profile\\_medusaheadrye.aspx](http://www.oregon.gov/ODA/PLANT/WEEDS/Pages/profile_medusaheadrye.aspx).
- Oregon State University. 2009.** Herbicide Carryover in Hay, Manure, Compost, and Grass Clippings. Available at: <http://smallfarms.oregonstate.edu/sfn/f09Herbicide>.
- \_\_\_\_\_. **2011.** Aminopyralid Residues in Compost. Available at: <http://smallfarms.oregonstate.edu/sfn/wtr11Aminopyralid>.
- Oshida, C.M. 2011.** The Effect of Herbicide on Stone and Masonry Material. Master of Historic Preservation Thesis. University of Georgia. Athens, Georgia.
- Pellant, M. 1996.** Cheatgrass: The Invader that Won the West. Bureau of Land Management Idaho State Office. Boise, Idaho.
- Peterjohn, W.T., and W.H. Schlesinger. 1990.** Nitrogen Loss from Deserts in the Southwestern United States. *Biogeochemistry* 10:67-79.
- Peterson, M.A. 1989.** Control of Leafy Spurge with Picloram and Fluroxypyr. 1989 Leafy Spurge Symposium. July 12-13, 1989. Bozeman, Montana.
- Peterson, V.F., J.J. Jachetta, P.L. Havens, L.A. Brinkworth, W.N. Kline, W.T. Haller, and J.L. Troth. 2013.** Aminopyralid Research Summary for Aquatic Labeling. Proceedings of the Western Society of Weed Science. Volume 66, Papers Presented at the Annual Meeting, March 11-14, 2013. San Diego, California.

## REFERENCES

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- Pfleeger, T.G., A. Fong, R. Hayes, H. Ratsch, and C. Wickliff. 1996.** Field Evaluation of the EPA (Kenaga) Nomogram, a Method for Estimating Wildlife Exposure to Pesticide Residues on Plants. *Environmental Toxicology and Chemistry* 15(4):535-543.
- Prichard, D., F. Berg, S. Leonard, W. Hagenbuck, M. Manning, R. Krapf, C. Noble, R. Leinard, and J. Staats. 2003.** Riparian Area Management: A User Guide to Assessing Proper Functioning Condition and the Supporting Science for Lentic Areas. TR 1737-16, U.S. Department of the Interior Bureau of Land Management, BLM/RS/ST-99/001+1737+REV03. Denver, Colorado.
- Radivojevic, L., L. Santric, and J.G. Umiljendic. 2011.** Rimsulfuron in Soil: Effects on Microbiological Properties Under Varying Soil Conditions. *Pesticides and Phytomedicine* 26(2): 135-140.
- Ramos, G. 2014.** BLM. Senior Weeds Specialist. Washington, D.C. Electronic Mail Communication with K. Anderson, AECOM, Seattle, Washington. Regarding Treatment Costs. February 25, 2014.
- Rinella, M.J., R.A. Masters, and S.E. Bellows. 2013.** Effects of Growth Regulator Herbicide on Downy Brome (*Bromus tectorum*) Seed Production. *Invasive Plant Science and Management* 6(1):60-64.
- Rosenbom, A.E., J.K. Jaer, and P. Olsen. 2010.** Long-term Leaching of Rimsulfuron Degradation Products Through Sandy Agricultural Soils. *Chemosphere* 79(2010):830-838.
- Rosentreter, R., M. Bowker, and J. Belnap. 2007.** A Field Guide to Biological Soil Crusts of Western U.S. Drylands; Common Lichens and Bryophytes. U.S. Government Printing Office. Denver, Colorado.
- Sample, B.E., D.M. Opresko, and G.W. Suter. 1996.** Toxicological Benchmarks for Wildlife: 1996 Revision. Risk Assessment Program. Document ES/ER/TM-86/R-3. Oak Ridge National Laboratory. Oak Ridge, Tennessee. Available at: <http://www.hsrdo.ornl.gov/ecorisk/reports.html>.
- Satterlund, D.R., and P.W. Adams. 1992.** Wildland Watershed Management (2<sup>nd</sup> edition). John Wiley and Sons, Inc. New York, New York.
- Schmidt, C., and R. Mulder. 2009.** Groundwater and Surface Water Monitoring for Pesticides and Nitrate in the Bitterroot Valley, Montana. Montana Department of Agriculture. Helena, Montana.
- Scholz, N.L., E. Fleischman, L. Brown, I. Werner, M.L. Johnson, M.L. Brooks, C.L. Mitchelmore, and D. Schlenk. 2012.** A Perspective on Modern Pesticides, Pelagic Fish Declines, and Unknown Ecological Resilience in Highly Managed Ecosystems. *BioScience* 62(4):428-434.
- Seaber, P.R., F.P. Kapinos, and G.L. Knapp. 1987.** Hydrologic Unit Maps. U.S. Geological Survey Water-supply Paper 2294. Available at: <http://water.usgs.gov/GIS/huc.html>.
- Sinclair, C.J., and A.B.A. Boxall. 2003.** Assessing the Ecotoxicity of Pesticide Transformation Products. *Environmental Science and Technology* 37(20):4617-4625.
- Sleugh, B.B., M. Halstvedt, V.F. Peterson, R.G. Wilson, G.M. Sbatella, S. Nissen, and B. Mealor. 2011.** Aminopyralid + Triclopyr Control of Russian-Olive and Saltcedar: Maintaining Grass Understory. Proceedings of the Western Society of Weed Science. Volume 64, Papers Presented at the Annual Meeting, March 7-10, 2011, Spokane, Washington.
- Smith, R.L., and S. Mitra. 2006.** "Spotlight" a New Tool for Broadleaf Control in Turf. 2006 Proceedings of the California Weed Science Society 58:14-17.
- Soil Quality Institute. 2001.** Soil Quality – Introduction, Prepared by the Soil Quality Institute, National Soil Survey Center, Natural Resource Conservation Service, U.S. Department of Agriculture, and the National Tilth Laboratory, ARS, U.S. Department of Agriculture. Available at: <http://soils.usda.gov/sqi/concepts/concepts.html>.

- Stoeckel, D.M., E.C. Mudd, and J.A. Entry. 1997.** Degradation of Persistent Herbicides in Riparian Wetlands. Pages 114 to 132 in E.L. Kruger, T.A. Anderson, and J.R. Coats (eds.). *Phytoremediation of Soil and Water Contaminants*. ACS Symposium Series 664. American Chemical Society, Washington, D.C.
- Stone, W.W., R.J. Gilliom, and K.R. Ryberg. 2014.** Pesticides in U.S. Streams and Rivers: Occurrence and Trends During 1992-2011. Unpublished White Paper by the U.S. Geological Survey, Indianapolis, Indiana.
- Swetnam, T. 1990.** Fire History and Climate in the Southwest United States. Pages 6-17 in *Proceedings of Symposium: Effects of Fire Management of Southwestern Natural Resources*. General Technical Report RM-191. U.S. Department of Agriculture Forest Service Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.
- Syracuse Environmental Research Associates, Inc. (SERA). 2007.** Aminopyralid Human Health and Ecological Risk Assessment. Final Report. Prepared for USDA Forest Service and National Park Service. Syracuse, New York.
- \_\_\_\_\_. **2009.** Fluroxypyr Human Health and Ecological Risk Assessment. Final Report. Prepared for USDA Forest Service, Southern Region. Syracuse, New York.
- Tao, L., and H. Yang. 2011.** Fluroxypyr Biodegradation in Soils by Multiple Factors. *Environmental Monitoring and Assessment* (2011) 175:227-238.
- Toevs, G.R., J.J. Taylor, C.S. Spurrier, and M.R. Bobo. 2011.** Bureau of Land Management Assessment, Inventory, and Monitoring Strategy: For Integrated Renewable Resources Management. BLM National Operations Center, Denver, Colorado.
- Turner, J.L., K. Duncan, and J. LeFevre. 2011.** Russian Knapweed and Yellow Star Thistle Poisoning of Horses. Guide B-710. New Mexico State Cooperative Extension Service, Las Cruces, New Mexico.
- Ueckert, D.N. 1997.** Pricklypear Ecology. Texas A&M Agrilife Extension, Texas Natural Resources Server. Available at: <http://texnat.tamu.edu/library/symposia/brush-sculptors-innovations-for-tailoring-brushy-rangelands-to-enhance-wildlife-habitat-and-recreational-value/pricklypear-ecology/>.
- United Nations. 2008.** United Nations Declaration of the Rights of Indigenous Peoples. New York, New York.
- University of Nevada Cooperative Extension. 1998.** Forage Kochia. Fact Sheet 98-48. Available at: <http://www.unce.unr.edu/publications/files/nr/ot/her/fs9848.pdf>.
- U.S. Department of Agriculture (USDA) Agricultural Research Service. 2006.** Tansy Ragwort (*Senecio jacobea*). Available at: <http://www.ars.usda.gov/Services/docs.htm?docid=9988>.
- USDA Forest Service. 2004.** Bailey's Ecoregions and Subregions of the United States, Puerto Rico, and the U.S. Virgin Islands. National Atlas of the United States. Reston, Virginia.
- \_\_\_\_\_, and **U.S. Department of the Interior Bureau of Land Management (USDOI BLM). 2000.** Interior Columbia Basin Supplemental Draft Environmental Impact Statement. Boise, Idaho.
- U.S. Department of Agriculture Natural Resources Conservation Service. 1996.** Soil Quality Indicators: Organic Matter. Soil Quality Information Sheet Series. Natural Resources Conservation Service National Soil Survey Center in Cooperation with the Natural Resources Conservation Service Soil Quality Institute, and the Agricultural Research Services National Soil Tilth Lab. Available at: [http://soils.usda.gov/sqi/publications/files/sq\\_fou\\_1.pdf](http://soils.usda.gov/sqi/publications/files/sq_fou_1.pdf).
- \_\_\_\_\_. **2000 to Present.** Digital General Soil Map. National Geospatial Center of Excellence. Fort Worth, Texas.
- U.S. Department of Commerce Bureau of the Census. 2011.** Washington, D.C. Available at: <http://www.census.gov/>.

## REFERENCES

---

- \_\_\_\_\_. **2014.** 2008-2012 American Community Survey. Available at: <http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml>.
- U.S. Department of Commerce Bureau of Economic Analysis. 2012.** SA25N Total Full-Time and Part-Time Employment by NAICS Industry. Estimated Data for 2011. Available at: <http://www.bea.gov/itable/>.
- U.S. Department of the Interior (USDOI). 2011.** Payments in Lieu of Taxes. Available at: <http://www.doi.gov/pilt/index.cfm>.
- \_\_\_\_\_. **2014.** Budget Justifications and Performance Information Fiscal Year 2014, Wildland Fire Management. Available at: [http://www.doi.gov/budget/appropriations/2014/upload/FY2014\\_WFM\\_Greenbook.pdf](http://www.doi.gov/budget/appropriations/2014/upload/FY2014_WFM_Greenbook.pdf).
- U.S. Department of the Interior Bureau of Land Management (USDOI BLM). 1980.** Control of Salinity from Point Sources Yielding Groundwater Discharge and from Diffuse Surface Runoff in the Upper Colorado River Basin. BLM Service Center. Denver, Colorado.
- \_\_\_\_\_. **1986a.** Visual Resources Inventory. Handbook H- 8410-1. Washington, D.C.
- \_\_\_\_\_. **1986b.** Visual Resource Contrast Rating. Handbook H-8432-1. Washington, D.C.
- \_\_\_\_\_. **1991.** Final Environmental Impact Statement Vegetation Treatment on BLM Lands in Thirteen Western States. BLM Wyoming State Office. Casper, Wyoming.
- \_\_\_\_\_. **1992.** BLM Manual 9015 – Integrated Weed Management. Washington, D.C.
- \_\_\_\_\_. **1996.** Partners Against Weeds: An Action Plan for the Bureau of Land Management. Washington, D.C.
- \_\_\_\_\_. **1998.** Pulling Together: National Strategy for Invasive Plant Management. Washington, D.C.
- \_\_\_\_\_. **1999.** Out of Ashes, An Opportunity. National Office of Fire and Aviation. Boise, Idaho.
- \_\_\_\_\_. **2000.** The Great Basin: Healing the Land. Washington, D.C.
- \_\_\_\_\_. **2001.** Rangeland Health Standards. Handbook H-4180-1. Washington, D.C.
- \_\_\_\_\_. **2004a.** Burned Area Stabilization and Rehabilitation. Chapter 3 of BLM Manual 620, Wildland Fire Management. Washington, D.C.
- \_\_\_\_\_. **2004b.** Proposed Revisions to Grazing Regulations for the Public Lands Final Environmental Impact Statement. FEIS 04-39. Washington, D.C.
- \_\_\_\_\_. **2005.** United States Department of the Interior Land Use Planning Handbook. BLM Handbook H-1601-1. Washington, D.C.
- \_\_\_\_\_. **2006.** BLM Forest Lands Report 2006: Status and Condition. BLM/ST/ST-07/001+5000. Ogden, Utah.
- \_\_\_\_\_. **2007a.** Vegetation Treatments Using Herbicides on Bureau of Land Management Lands in 17 Western States Programmatic Environmental Impact Statement. Reno, Nevada.
- \_\_\_\_\_. **2007b.** Record of Decision Vegetation Treatments Using Herbicides on Bureau of Land Management Lands in 17 Western States Programmatic Environmental Impact Statement. Reno, Nevada.
- \_\_\_\_\_. **2007c.** Vegetation Treatments Using Herbicides on Bureau of Land Management Lands in 17 Western States Programmatic Environmental Report. Reno, Nevada.
- \_\_\_\_\_. **2007d.** Burned Area Emergency Stabilization and Rehabilitation. BLM Handbook H-1742-1. Washington, D.C.
- \_\_\_\_\_. **2007e.** Public Land Statistics 2006. Volume 191. BLM/OC/ST-07/001+1165. Washington, D.C.
- \_\_\_\_\_. **2007f.** Biological Assessment for Vegetation Treatments Using Herbicides on Bureau of Land Management Lands in 17 Western States. Washington, D.C.

- \_\_\_\_\_. **2008a.** National Environmental Policy Act. BLM Handbook H-1790-1. Washington, D.C.
- \_\_\_\_\_. **2008b.** Public Land Statistics 2007. Volume 192. BLM/OC/ST-08/001+1165. Washington, D.C.
- \_\_\_\_\_. **2009a.** Grazing Administration – Exclusive of Alaska (Public). BLM Manual M-4100. Washington, D.C.
- \_\_\_\_\_. **2009b.** Public Land Statistics 2008. Volume 193. BLM/OC/ST-09/001+1165. Washington, D.C.
- \_\_\_\_\_. **2009c.** Draft Dalton Management Area Integrated Invasive Plant Strategic Plan. Fairbanks, Alaska.
- \_\_\_\_\_. **2010a.** Public Land Statistics 2009. Volume 194. BLM/OC/ST-10/001+1165. Washington, D.C.
- \_\_\_\_\_. **2010b.** Wild Horses and Burros Management Handbook (H-4700-1). Wild Horse and Burro Program Office of the Assistant Director, Renewable Resources and Planning (WO-200). Washington, D.C.
- \_\_\_\_\_. **2011.** Public Land Statistics 2010. Volume 195. BLM/OC/ST-11/001+1165. Washington, D.C.
- \_\_\_\_\_. **2012a.** Public Land Statistics 2011. Volume 196. BLM/OC/ST-12/001+1165. Washington, D.C.
- \_\_\_\_\_. **2012b.** Budget Justifications and Performance Information Fiscal Year 2013. Washington, D.C.
- \_\_\_\_\_. **2012c.** Bureau of Land Management Get to Know Us. Available at: [http://www.blm.gov/wo/st/en/res/Education\\_in\\_BLM/Learning\\_Landscapes/Get\\_to\\_Know\\_Us.html](http://www.blm.gov/wo/st/en/res/Education_in_BLM/Learning_Landscapes/Get_to_Know_Us.html)
- \_\_\_\_\_. **2012d.** National Recreation Programs. Updated as of October 22, 2012. Available at: [http://www.blm.gov/wo/st/en/prog/Recreation/recreation\\_national.html](http://www.blm.gov/wo/st/en/prog/Recreation/recreation_national.html).
- \_\_\_\_\_. **2012e.** BLM Manual 6340. Management of BLM Wilderness. Washington, D.C.
- \_\_\_\_\_. **2012f.** BLM Manual 6330. Management of Wilderness Study Areas. Washington, D.C.
- \_\_\_\_\_. **2013a.** Public Land Statistics 2012. Volume 197. BLM/OC/ST-13/002+1165. Washington, D.C.
- \_\_\_\_\_. **2013b.** Oil and Gas Statistics. Available at: [http://www.blm.gov/wo/st/en/prog/energy/oil\\_and\\_gas/statistics.html](http://www.blm.gov/wo/st/en/prog/energy/oil_and_gas/statistics.html). Site updated on 1-07-2013.
- \_\_\_\_\_. **2013c.** Geothermal Energy. Available at: <http://www.blm.gov/wo/st/en/prog/energy/geothermal.html>. Site updated on 1-07-2013.
- \_\_\_\_\_. **2013d.** Fiscal Year 2012 Rangeland Inventory, Monitoring, and Evaluation Report. Washington, D.C.
- \_\_\_\_\_. **2013e.** Livestock Grazing. Available at: <http://www.blm.gov/wo/st/en/prog/grazing.html>.
- \_\_\_\_\_. **2013f.** National Scenic and Historic Trails. Updated as of April 4, 2013. Available at: [http://www.blm.gov/wo/st/en/prog/blm\\_special\\_areas/NLCS/Trails.html](http://www.blm.gov/wo/st/en/prog/blm_special_areas/NLCS/Trails.html).
- \_\_\_\_\_. **2013g.** National Surface Management Agency Polygon Data Set. Denver, Colorado.
- \_\_\_\_\_. **2013h.** National Landscape Conservation System Digital Data, Compiled from Various Data Sets from Several Years. Washington, D.C.
- \_\_\_\_\_. **2013i.** Dalton Management Area Integrated Invasive Plant Strategic Plan Environmental Assessment. Central Yukon Field Office. Fairbanks, Alaska.
- \_\_\_\_\_. **2014a.** Wild Horse and Burro Quick Facts. Updated as of June 11, 2014. Available at: [http://www.blm.gov/wo/st/en/prog/whbprogram/history\\_and\\_facts/quick\\_facts.html](http://www.blm.gov/wo/st/en/prog/whbprogram/history_and_facts/quick_facts.html).
- \_\_\_\_\_. **2014b.** Budget Justifications and Performance Information Fiscal Year 2015. Washington, D.C.

## REFERENCES

---

- \_\_\_\_\_. **2014c.** Net Nominal Wildfire Suppression Obligations 2004 to 2013. Data Provided by K. Gollnick-Wade, BLM Fuels Program Lead – Budget and Planning. Boise, Idaho. Available at: <http://www.fs.fed.us/wildflowers/pollinators/BMPs/documents/PollinatorFriendlyBMPsFederalLandsDRAFT05152015.pdf>.
- \_\_\_\_\_. **2014d.** Reseeding Costs. Data Provided by M. Boyter, BLM Botanist. Spokane, Washington.
- \_\_\_\_\_. **2014e.** Public Land Statistics 2013. Volume 198. BLM/OC/ST-14/004+1165. Washington, D.C.
- \_\_\_\_\_. **2014f.** USDOJ BLM. 2014. Sustainability/Energy Scorecard. Available at: [http://www.doi.gov/greening/prfm\\_matrix/index.cfm](http://www.doi.gov/greening/prfm_matrix/index.cfm).
- \_\_\_\_\_. **2015.** Biological Assessment for Vegetation Treatments with Aminopyralid, Fluroxypyr, and Rimsulfuron on Bureau of Land Management Lands in 17 Western States. Washington, D.C.
- U.S. Department of the Interior (USDOJ) and U.S. Department of Agriculture (USDA). 2001.** Managing the Impacts of Wildland Fires on Communities and the Environment. The National Fire Plan. Washington, D.C.
- \_\_\_\_\_, and \_\_\_\_\_. **2006a.** A Collaborative Approach for Reducing Wildfire Risks to Communities and the Environment 10-Year Strategy Implementation Plan. Available at: [http://www.forestsandrangelands.gov/resources/plan/documents/10-yearstrategyfinal\\_dec2006.pdf](http://www.forestsandrangelands.gov/resources/plan/documents/10-yearstrategyfinal_dec2006.pdf).
- \_\_\_\_\_, and \_\_\_\_\_. **2006b.** Interagency Burned Area Rehabilitation Guidebook. Available at: [http://www.forestsandrangelands.gov/resources/plan/documents/10-yearstrategyfinal\\_dec2006.pdf](http://www.forestsandrangelands.gov/resources/plan/documents/10-yearstrategyfinal_dec2006.pdf).
- \_\_\_\_\_, and \_\_\_\_\_. **2014.** The National Strategy: The Final Phase in the Development of the National Cohesive Wildland Fire Management Strategy. Available at: <http://www.forestsandrangelands.gov/strategy/documents/strategy/CSPPhaseIIINationalStrategyApr2014.pdf>.
- \_\_\_\_\_, and \_\_\_\_\_. **2015.** Pollinator Friendly Best Management Practices for Federal Lands. Available at: <http://www.fs.fed.us/wildflowers/pollinators/BMPs/documents/PollinatorFriendlyBMPsFederalLandsDRAFT05152015.pdf>.
- U.S. Department of the Interior National Park Service. 2003.** Invasive Exotic Plant Management Plan and Environmental Assessment. Rocky Mountain National Park, Colorado.
- U.S. Department of Labor Bureau of Labor Statistics. 2013a.** Occupational Employment Statistics. Available at: <http://www.bls.gov/oes/#data>.
- \_\_\_\_\_. **2013b.** Census of Fatal Occupational Injuries Summary, 2012. Available at: <http://www.bls.gov/news.release/cfoi.nr0.htm>.
- \_\_\_\_\_. **2015.** Local Area Unemployment Statistics. Available at: <http://www.bls.gov/lau/lastrk14.htm>.
- U.S. Environmental Protection Agency (USEPA). 1998a.** Fluroxypyr Pesticide Fact Sheet. Available at: [http://www.epa.gov/opp00001/chem\\_search/reg\\_actions/registration/fs\\_PC-128959\\_30-Sep-98.pdf](http://www.epa.gov/opp00001/chem_search/reg_actions/registration/fs_PC-128959_30-Sep-98.pdf).
- \_\_\_\_\_. **1998b.** Guidelines for Ecological Risk Assessment. EPA/630/R-95/002F. Washington, D.C.
- \_\_\_\_\_. **1998c.** Freedom of Information Act Request. *In Aerial Herbicide Spraying: Poisoning the Maine (and New Hampshire) Woods.* Available at: [http://www.forestecologynetwork.org/tmwfall99\\_05.html](http://www.forestecologynetwork.org/tmwfall99_05.html).
- \_\_\_\_\_. **2004.** Risk Assessment Guidance for Superfund. Volume 1: Human Health Evaluation Manual. Part E, Supplemental Guidance for Dermal Risk Assessment. Final Available at: [http://www.epa.gov/oswer/riskassessment/ragse/pdf/part\\_e\\_final\\_revision\\_10-03-07.pdf](http://www.epa.gov/oswer/riskassessment/ragse/pdf/part_e_final_revision_10-03-07.pdf).
- \_\_\_\_\_. **2005a.** National Management Measures to Protect and Restore Wetlands and Riparian Areas for the Abatement of Nonpoint Source Pollution. EPA 841-B-05-003. Washington, D.C.

- \_\_\_\_\_. **2005b.** Office of Prevention, Pesticides and Toxic Substances: Pesticide Fact Sheet – Aminopyralid. Issued August 10, 2005. Available at: [http://www.epa.gov/opp00001/chem\\_search/reg\\_actions/registration/fs\\_PC-005100\\_10-Aug-05.pdf](http://www.epa.gov/opp00001/chem_search/reg_actions/registration/fs_PC-005100_10-Aug-05.pdf).
- \_\_\_\_\_. **2005c.** Environmental Fate and Ecological Risk Assessment for the Registration of Aminopyralid. Available at: [http://www.epa.gov/opp00001/chem\\_search/cleared\\_reviews/csr\\_PC-005100\\_10-May-05\\_a.pdf](http://www.epa.gov/opp00001/chem_search/cleared_reviews/csr_PC-005100_10-May-05_a.pdf).
- \_\_\_\_\_. **2007.** Fluroxypyr - Human Health Risk Assessment to Support Proposed New Uses on Pome Fruits and Millet. Report Dated October 3, 2007. Available at: <http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2007-0114-0004>.
- \_\_\_\_\_. **2009a.** National Water Quality Inventory: Report to Congress. 2004 Reporting Cycle. EPA 841-R-08-001. Washington, D.C.
- \_\_\_\_\_. **2009b.** Aminopyralid – Human Health Risk Assessment for the Proposed Use on Field Corn (PP#8F7455). Available at <http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2009-0141-0006>.
- \_\_\_\_\_. **2010a.** Greenhouse Gas Emissions. Available at: <http://www.epa.gov/climatechange/ghgemissions/index.html>.
- \_\_\_\_\_. **2010b.** Watershed Assessment, Tracking and Environmental Results. Available at: [http://ofmpub.epa.gov/waters10/attains\\_state\\_control?p\\_state=AK](http://ofmpub.epa.gov/waters10/attains_state_control?p_state=AK).
- \_\_\_\_\_. **2011.** Rimsulfuron – Human Health Risk Assessment for Proposed Section 3 Uses on Caneberry and Bushberry. Office of Chemical Safety and Pollution Prevention. Available at: <http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2010-1017-0005>.
- \_\_\_\_\_. **2012a.** Pesticides: Regulating Pesticides. What is the Conventional Reduced Risk Pesticide Program? Available at: [http://www.epa.gov/opprd001/workplan/reduce\\_risk.html](http://www.epa.gov/opprd001/workplan/reduce_risk.html).
- \_\_\_\_\_. **2012b.** National Ambient Air Quality Standards (NAAQS). Available at: <http://www.epa.gov/air/criteria.html>.
- \_\_\_\_\_. **2012c.** The Green Book Nonattainment Areas for Criteria Pollutants As of December 14, 2012. Available at: <http://www.epa.gov/oar/oaqps/greenbk/>.
- \_\_\_\_\_. **2012d.** Greenhouse Gas Reporting Program: A Comparison Between Reporting Program Data and the U.S. GHG Emissions Inventory. Available at: <http://www.epa.gov/airtrends/2011/>.
- \_\_\_\_\_. **2012e.** Occupational Pesticide Handler Unit Exposure Surrogate Reference Guide. Office of Pesticide Programs. March 2012. Washington, D.C. Available at: <http://www.epa.gov/pesticides/science/handler-exposure-table.pdf>.
- \_\_\_\_\_. **2012f.** Our Nation’s Air – Status and Trends through 2010. Available at <http://www.epa.gov/airtrends/2011/>.
- \_\_\_\_\_. **2013a.** Laws and Regulations, Summary of the Clean Water Act. Washington, D.C. Available at: <http://www2.epa.gov/laws-regulations/summary-clean-water-act>.
- \_\_\_\_\_. **2013b.** Drinking Water Contaminants. Available at: <http://water.epa.gov/drink/contaminants/index.cfm>.
- \_\_\_\_\_. **2014.** Greenhouse Gas Inventories. EPA State and Local Climate and Energy Program. Available at: <http://www.epa.gov/statelocalclimate/local/local-examples/ghg-inventory.html>.
- \_\_\_\_\_. **2015.** Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2013 (Land Use, Land-Use Change, and Forestry). Available at: <http://www3.epa.gov/climatechange/Downloads/ghgemissions/US-GHG-Inventory-2015-Chapter-6-Land-Use-Land-Use-Change-and-Forestry.pdf>.
- U.S. Fire Administration. 2013.** Fire Statistics. Available at: <http://www.usfa.fema.gov/statistics/>.

## REFERENCES

---

- U.S. Fish and Wildlife Service. 2011.** Five-Year Survey Shows Wetlands Losses are Slowing, Marking Conservation Gains and Need for Continued Investment in Habitat. October 6, 2011 News Release from Office of External Affairs. Available at: <http://www.fws.gov/mountain-prairie/pressrel/11-doi-10-06-2011.html>.
- \_\_\_\_\_. **2013.** News Release: A New Biological Management Option Against Cheatgrass Raises Hope of Western Land Managers. April 1, 2013. Available at: <http://www.fws.gov/pacific/news/news.cfm?id=2144375216>.
- U.S. Geological Survey (USGS). 1999.** The Quality of Our Nation's Waters: Nutrients and Pesticides. Circular 1225. Reston, Virginia.
- \_\_\_\_\_. **2002 to 2012.** National Maps from Featured NWQA Activities. National Water Quality Assessment Program. Available at: <http://water.usgs.gov/nawqa/digmap.html>.
- \_\_\_\_\_. **2004.** Southwest Biological Research Center, Canyonlands Research Station. Moab, Utah. Available at: <http://www.soilcrust.org/crust101.htm>.
- \_\_\_\_\_. **2005a.** Water Availability for the Western United States – Key Scientific Challenges. Circular 1261. Reston, Virginia.
- \_\_\_\_\_. **2005b.** 1:2,000,000-Scale Hydrologic Unit Boundaries. Digital Data from the USGS Office of Water Data Collection. Reston, Virginia.
- \_\_\_\_\_. **2006.** The Quality of our Nation's Waters – Pesticides in the Nation's Streams and Ground Water. 1992-2001. USGS Survey Circular 1291. Reston, Virginia.
- \_\_\_\_\_. **2007.** Oil and Gas Exploration and Production in the United States Shown as Quarter-Mile Cells. Central Energy Resources Team. Denver, Colorado.
- \_\_\_\_\_. **2012.** National Water Quality Assessment (NAWQA) Program. Groundwater Quality Trends. Available at: <http://water.usgs.gov/nawqa/studies/gwtrends/>.
- \_\_\_\_\_. **2013.** Groundwater Use in the United States. Available at: <http://ga.water.usgs.gov/edu/wugw.html>.
- U.S. National Library of Medicine. 2006.** Hazardous Substance Data Bank. Rimsulfuron. CASRN: 122931-48-0. Available at <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>.
- \_\_\_\_\_. **2011.** Hazardous Substances Data Bank (HSDB). Fluroxypyr. CASRN 69377-81-7. Available at: <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>.
- \_\_\_\_\_. **2012.** Hazardous Substance Data Bank. Aminopyralid. CASRN 150114-71-9. Available at: <http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?HSDB>.
- Utah State University. 2014.** Spotted Knapweed. The Great Basin and Invasive Weeds. Available at: [http://www.usu.edu/weeds/plant\\_species/weedspecies/spottedknap.html](http://www.usu.edu/weeds/plant_species/weedspecies/spottedknap.html).
- Wallace, J.M., T.S. Prather, and V. Peterson. 2012.** Effects of Aminopyralid on Ponderosa Pine (*Pinus ponderosa*). Invasive Plant Science and Management 5(2):164-169.
- Washington State University Extension. 2011.** Herbicide Contamination of Organic Matter. Available at: <http://whatcom.wsu.edu/ag/aminopyralid/>.
- Weir, J.R., T.G. Bidwell, R.D. Elmore, K.R. Hickman, S.D. Fuhlendorf, and D.M. Engle. 2004.** Weed Control on Rangelands. Oklahoma Cooperative Extension Service Publication NREM-2882.
- White House Pollinator Health Task Force. 2015.** National Strategy to Promote the Health of Honey Bees and Other Pollinators. Washington, D.C.
- Wild, A. 1993.** Soils and the Environment. First Edition. Cambridge University Press. Cambridge, Massachusetts.
- Yoder, R., and K. Smith. 2002.** Aerobic Soil Degradation of XDE-750 in Five North American Soils. Project Number: 010091 Unpublished Study

Prepared by Dow AgroSciences LLC. MRID No. 46235729.

**Zhang, J., G.B. Kyser, R. Wilson, E. Creech, and J. DiTomaso. 2010.** Control of Downy Brome (*Bromus tectorum*) and Medusahead (*Taeniatherum caput-medusae*) with Rangeland Herbicides in Northeastern California. Available at: [http://sfc.smallfarmcentral.com/dynamic\\_content/uploadfiles/152/DownyBrome\\_Medusahead\\_Control.pdf](http://sfc.smallfarmcentral.com/dynamic_content/uploadfiles/152/DownyBrome_Medusahead_Control.pdf).

**Zhang, S., C. Bin Qui, Y. Zhou, Z. Peng Jin, and H. Yang. 2011.** Bioaccumulation and Degradation of the Pesticide Fluroxypyr are Associated with Toxic Tolerance in Green Alga *Chlamydomonas reinhardtii*. *Ecotoxicology* 20:337:347.